

hf Happenings 740

South African Radio League * Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union since 1925

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South African Radio League National Field Day

The aim is to work as many stations as possible on all the HF amateur bands (excluding the 2 200, 630, 60, 30, 17 and 12 m bands). In doing so, to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the public with the capabilities of Amateur Radio.

The first leg of the National Field Day runs from 10:00 UTC on Saturday 11 February to 10:00 UTC on Sunday 12 February 2017 with Phone, CW, PSK and RTTY activity on 160, 80, 40, 20, 5 and 10 metres. Phone, CW and digital modes on a band are considered as separate bands. A station may be worked only once per band under this rule.

You may participate as a –

Class A – Field Station, Multi operator. Such stations must be located in places that are not regular station locations and must comply with the requirements of a field station as defined in the general section of rules. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 500 metres. All contacts must be made with transmitter (s) and receiver(s) operating independent of commercial mains power.

Class B – Field Station, Multi operator, QRP. All contacts must be made using an out-put power of 5 Watts or less. Other provisions are the same as Class A.

Class C – Field Station, Single Operator. Such stations must be located in places that are not regular station locations and must comply with the requirements of a field station as defined in the general section of rules. All equipment (including antennas) must lie within a circle whose diameter does not exceed 500 metres. All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial mains power.

Class D – Field Station, Single Operator, QRP. All contacts must be made using an out-put power of 5 Watts or less. Other provisions are the same as Class C.

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You can now download your copy of HF Happenings from
www.sarl.org.za/hf_happenings.asp

February

- 5 - **AWA CW Activity**
- 10 to 12 - Love Rosendal Festival
- 11 and 12 - **SARL National Field Day**; Midmar Mile; Magoebaskloof Berry festival
- 14 - Valentine's Day
- 18 - **SARL Youth Sprint; AMSAT SA SDR Workshop at the NARC**
- 22 - **Closing date articles for March Radio ZS**
- 24 and 25 - Clarens Craft Beer Festival
- 25 - **West Rand ARC Flea Market**
- 26 - **SARL Digital Contest**
- 24 to 26 - Stellenbosch Wine Festival
- 27 - National Milk Tart Day

March

- 3 - World Day of Prayer for Women
- 4 - World day of Prayer for Men
CTARC Bumper Flea market
- 5 - **SARL Hamnet 40 m Contest**
- 8 to 14 - Scifest Africa, Grahamstown
- 11 and 12 - **SARL VHF/UHF Contest**; RSGB Commonwealth Con-

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Class E – Ultra Light Portable. Light weight self-contained stations, operating QRP or low power such as RaDAR, Summits on the Air, Parks on the Air (game and nature reserves), Islands on the Air, Heritage sites, etc. The operator must carry the entire station, antenna included, to the operating site. The distance carried must not be less than 1 km.

Class F - General Stations. Stations operating from permanent or licensed station locations using commercial power.

To encourage more individuals and groups to participate in the National Field Day events, a 6-hour section has been introduced. It need not be for one continuous 6-hour period, but once operation has commenced in the contest, off periods must be a minimum of 60 minutes.

Only one call sign per station is permitted. In the case of multi-operator stations using more than one transmitter, all operators shall use the same call sign.

Equipment for Field Stations may only be set up in the 24 hours prior to the starting time of the contest. This restriction applies to antennas, masts, towers and transmitting equipment, but excludes accommodation such as a caravan, tent, etc. Once a Field Station has been established at a site, it may not move to an alternative site after the contest starts, excluding Class E stations.

The exchange is the number of transmitters, the Field Day operating class and your Provincial abbreviation. Examples - a three-transmitter Class A field station in Gauteng would send "3A GP" on CW or "3 Alpha - Golf Papa" on Phone. A general station using a single transceiver located in Cape Town would give the following exchange "1F WC" on CW or "1 Foxtrot – Whiskey Charlie" on phone. DX stations are logged as "1F DX." A RS or RST report is not needed and is not used for scoring purposes.

Scores are based on the total number of QSO points x the power multiplier x the number of provinces worked X the class multiplier.

QSO Points. Each contact with a station from one of the South African provinces counts for five points. Each DX contact counts for one point.

Power multipliers. x 6: Power 5 watts or less, x 4: Power 50 watts or less, x 2: Power 100 watts or less or x 1: Power greater than 100 watts. The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event.

Provinces worked multiplier. A multiplier of one for each one of the 9 South African provinces worked (regardless of band) and one extra for working any station outside of the 9 provinces i.e. DX. EC – The Eastern Cape, FS – The Free State, GP – Gauteng, KN – KwaZulu-Natal, LP – Limpopo, MP – Mpumalanga, NC – The Northern Cape, NW – North West, WC – The Western Cape or DX – Used for all others that does not fall in the above group

Class multiplier. General stations, class multiplier of 1 or Field stations single and multi, class multiplier of 3

A person may not contact for QSO credit any station from which they also participate.

A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other call sign to participate in Field Day.

Batteries may be charged while in use. The batteries must be charged from a power source other than commercial mains power.

All stations for a single entry must be operated under one call sign

There is no limitation to the number of transmitters or receivers that may be deployed. The use of more than one transmitter at the same time on a single band or mode is prohibited.

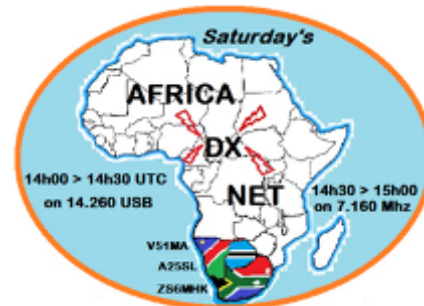
Logs, in ADIF, Cabrillo or MS Excel format and labelled "call sign NFD," shall be sent by e-mail to zs4bfn@mweb.co.za or by post to the South African Radio League National Field Day, Box 12104, Brandhof, 9324. The closing date for log submissions is 19 February 2017.

Note: A photo(s) of the station in operation (JPG format) MUST accompany every log entry.

The 2016 IARU HF Championship Full Results

The 2016 IARU HF Championship Full Results article was recently updated on the ARRL website <http://www.arrl.org/contest-results-articles>. The IARU 2018 standings

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test

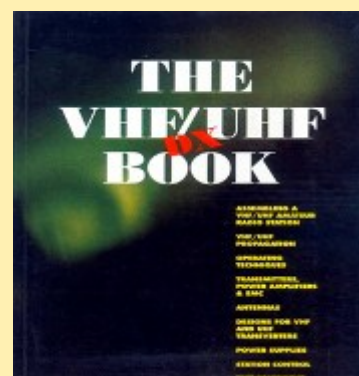
- 12 - Purim; Cape Town Cycle Tour
- 16 to 20 - Wild Trout Festival, Rhodes
- 17 - St Patrick's Day
- 17 to 19 - Lambert's Bay Kreeffees
- 20 - Autumn Equinox; School holiday
- 21 - Human Right's Day
- 25 and 26 - CQ WPX SSB Contest
- 27 - Closing date Radio ZS April
- 31 March to 9 April - Stars of Sandstone, Ficksburg
- 31 - All schools close

VHF/UHF DX Book, 2017 Replica Edition

The *VHF/UHF DX Book, 2017 Replica Edition* is now a free download courtesy of TRPublishing http://www.trpub.net/html/dx_book.htm.

According to the publisher, "The VHF/UHF DX Book was written in the early to mid-1990s by a team of experienced VHF/UHF DXers and equipment developers, in an effort to pass on our knowledge and stimulate further developments."

A cautionary statement is also provided, "Please do not try to duplicate the construction projects in this book. These designs are over 20 years old and many of the components are no longer available. More modern designs are available today, so seek them out and use those instead."



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website has also been updated to reflect inclusion of the 2016 IARU scores <http://wrtc2018.de/index.php/en/qualification/standings-2>.

Quote of the Week

"TIP: Don't leave your antennas assembled in the hotel room. It scares housekeeping." (Ken, K2WB/7/R, from February 2017 Mt. Airy VHF Radio Club's *Cheese Bits* newsletter)

Learning Morse Code

According to an article in Scientific American, learning to send Morse code is made easier when audio is combined with touch <https://www.scientificamerican.com/article/how-to-learn-morse-code-mdash-semiconsciously/>. One group of participants in a Georgia Institute of Technology study were equipped with hardware that provided audio tones as well as skin taps as words were spelled out, while another received just the tones. The group that received both types of stimuli was twice as accurate when given a sending test after four one-hour training sessions.

Calling CQ Newsletter

Jeff, KE9V, publishes Calling CQ, "1000 words of Amateur Radio news and commentary," every Monday <http://tinyletter.com/ke9v>. In last Monday's commentary, he considers the growth of Amateur numbers over the past few years and how it may relate to the elimination of the CW requirement. Current email issues appear in the web archives after a couple of weeks <http://tinyletter.com/ke9v/archive>.

Teletype

Dramatic music, real film credits and colour! "How a Teleprinter Works" from 1940 features mechanical models and an explanation of the five level code <https://www.youtube.com/watch?v=HcMHam54EOI>.

Teletype nomenclature lives on today in many computer systems, especially those based on a variation of Unix or Linux - here's the story of how TTYs and computers became linked, and how they evolved into terminals, and how operating systems still support terminal functionality <http://www.linusakesson.net/programming/tty/>.

Radio Frequency Interference

Tom, W0IVJ, has created a video of RFI detection while driving through his neighbourhood using an SDR receiver and active mobile antenna. His narration of the video of the captured spectrum includes identifying VDSL2 interference, RFI from switching power supplies, and even a periodic ionosphere sounder www.youtube.com/watch?v=HIGMmEgzhv0&feature=youtu.be

Managing your local RF environment is essential to be able to continue to hear weak signals. Tracking down and eliminating local neighbourhood RFI sources is one aspect of this.

On his website, Larry, W0QE, describes a method of using a spectrum display for tracking and identifying RFI sources. Larry developed a broadband high impedance amplifier to be used in conjunction with small whip antennas appropriate for mounting on vehicles. http://w0qe.com/RF_Interference/spectrum_display_rfi_tracking.html

Tom, W0IVJ, used freely available software <https://obsproject.com/> to make this video of using Larry's hardware for RFI 'war driving' to identify RFI sources, in this case VDSL2 modems www.youtube.com/watch?v=HIGMmEgzhv0&feature=youtu.be. Larry's RF amplifier design is one that is applicable for nearly any SDR using small vertical monopoles while the screen video recording techniques could also be used, for example, in contest logging training.

Operating tip

Use appropriate receive filtering to suit your circumstances. If you're calling CQ and not getting any replies, try increasing your receive filtering bandwidth to better hear any off-frequency callers. If the band is crowded, you may need to take advantage of other functionality your rig may offer such as RIT and pass band shifting to be able to copy your callers while avoiding QRM from adjacent stations.

Word to the Wise

Constellation: As applied to spacecraft like satellites, a constellation is an intentional pattern of satellites in coordinated orbits, which provide a desired result, such as continuous ground coverage. Examples of constellations include GPS, GLONASS and Iridium networks of satellites.

A non-space example of a drone constellation includes the pre-recorded sky display during the half-time show of the 2017 Super Bowl www.slate.com/blogs/future_tense/2017/02/06/how_the_intel_drones_at_the_la_dy_gaga_super_bowl_halftime_show_worked.html.

Coax Cables

Microwaves & RF's recent article on coaxial cable provides a good overview of cable types and dielectric construction, mostly geared toward higher frequencies and commercial uses. Only 12 more years until the coax centennial! <http://mwrf.com/passive-components/what-s-your-coaxial-cable>

Identifying man-made signals

Identifying man-made signals you might hear or see on your waterfall display might be made easier with the Signal Identification Guide Wiki <http://www.sigidwiki.com/wiki/Category:HF>. Signals of all types, including Over the Horizon (OTH) Radars, digital data transmissions and encrypted communication formats, are listed. Descriptions include sample audio as well as waterfall displays

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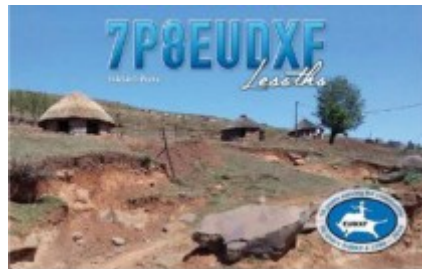
Clublog's DXCC Most Wanted List

ClubLog has updated their latest "DXCC Most Wanted List" as of 31 January. ClubLog states, "The information generated in this report is derived from QSOs uploaded to ClubLog. To improve quality, only QSOs that have QSLs confirmed are considered to be worked. The most wanted charts are rebuilt once per month, on average." Currently there are 339 entities listed. It is now available at <https://secure.clublog.org/mostwanted.php>

African DX

Namibia, V5 (Update). Georg, DD8ZX and Klaus, DJ9KM will once again be active as V5/DD8ZX and V5/DJ9KM from the Otjikoko Guest farm, Omaruru between 6 and 18 February. Activity will be holiday style with a focus on 160 to 10 metres and if possible on 6 m. Operating modes are SSB, RTTY and PSK. They will participate in the CQ WW WPX RTTY Contest (13 and 14 February) as V55V (QSL via DJ8VC). QSL via V5/DD8ZX via DD8ZX, direct or by the Bureau. QSL V5/DJ9KM via DJ9KM, direct, by the Bureau or LoTW.

Lesotho, 7P8. Pista, HA5AO, will once again return to Lesotho for humanitarian purposes between 10 and 26 February. He will be signing 7P8EUDXF and be active during his free time on 40 to 10 metres operating mostly CW. Pista is there overseeing the project at a local orphanage that he started during his October 2016 visit and will deliver donations received since then. Log search and OQRS is available on <http://ha5ao.com>. Please use OQRS for all confirmation requests, do not send cards via the Bureau. For the October 2016 operation - all OQRS direct and mail direct QSL requests were posted from Budapest on 23 January 2017, bureau cards were forwarded to the HA Bureau. LoTW was uploaded on 28 December 2016. Money donated to 7P8EUDXF will be used only for humanitarian purposes. The results of Pista's 2010 activity can be seen at <http://ha5ao.com/index.php/dx-peditions/lesotho/lesotho-2010/103-news-from-lesotho-again>. At the completion of this next visit the photo gallery on <http://ha5ao.com> will be updated.



Uganda, 5X. Jonathan, KK7PW, will be active as 5X1O from Uganda between 21 February and 7 March. He states, "I may not be on the air everyday, but will aim for early mornings/late evenings (EA times) on 40, 20, 15 or 10 m. I will use an FT-857d (with MDSR) at 100 w, to either an AT-25 or dipole. Modes = CW and SSB (usually "up 1"), WSPR and possibly JT65. QSL Manager is Pedro, EA5GL.

Côte D'Ivoire, TU. It's Now Official. Members of the Radio Club of Provins (F6KOP) will be active as TU7C from the Ivory Coast between 9 and 19 March. Activity will be on 160 to 10 metres and 6 metres using CW, SSB and RTTY. The international team consists of experienced operators. Some of them were part of various important DXpeditions during the past years, like FT5TA, FT5JA, J5C, 3G0ZC, 7P8C and so on. Operators mentioned are Frank, F4AJQ (Team Leader), Patrick, F2DX (Co-Leader) Jean-Luc, F1ULQ (Co-Leader), Andreas, DL3GA, Henri, F1HRE, Damien, F4AZF, Jimi, F4DLM, Philippe, F4DSE, Raymond, F5MFV, Frank, F5TVG, John, F5VHQ, John, OE5TGL, Herman, ON4QX, Kurt, ON8KW, and Kenneth, OZ1IKY. The pilot for English speaking people is Col, MM0NDX, and Jean-Paul, F8BJI for the French stations. QSL via F1ULQ, direct (sorry no IRC), the French REF Bureau (only this one) LoTW, and ClubLog's OQRS. For more information, see their DXpedition Web page at <https://tu2017dx.wordpress.com>

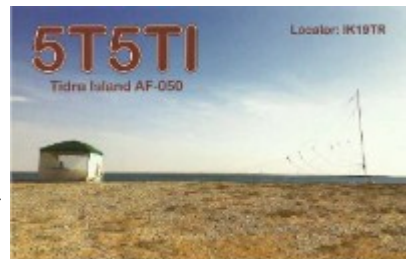
African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Mauritius, 3B8. Jean-Paul, HB9ARY, will once again be active as 3B8/HB9ARY from Mauritius until 15 February. Activity will be on all HF bands, 80 to 10 metres, using mainly SSB, but some CW. QSL via NI5DX, LoTW or eQSL.



Cape Verde, D4. Girts, YL2KL, will once again active as D4C from Sao Vicente Island (AF-086) between 13 and 20 February. Activity will be during the ARRL DX CW Contest (18 and 19 February) as a Single-Op/All-Band/High-Power entry. QSL D4C direct to HB9DUR or by the Bureau to IK2NCJ. For the latest information, check the D4C Web page at www.d4c.cc Also their FaceBook page at www.facebook.com/D4C.STATION. Added Note: Look for Girts to sign D4Z before the contest on 30/17/12 metre bands. QSL via is the same as above.

Canary Islands, EA8. Tom, DL7UZO, will be active as EA8/DL7UZO from Fuerteventura Island AF-004 between 25 February and 11 March. He plans to be portable from 6 locations and activate 3 EAWFF Areas and 4 to 5 Lighthouses! QSL via DL7UZO, direct or by the Bureau. For more information, see <http://www.funkstation.info>

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 6 to 13 February 2017

RSGB 80 m Club Championship, SSB

20:00 - 21:30 UTC 6 February

Mode: SSB

Bands: 80 m Only

Classes: (none)

Exchange: RS and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC February 7, 2017

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <http://www.rsgbcc.org/hf/rules/2017/r80mcc.shtml>

ARS Spartan Sprint

02:00 - 04:00 UTC 7 February

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Skinny; Tubby

Max power: 5 watts

Exchange: RST, state, province or country and power

Work stations: Once per band

Submit logs by: 9 February 2017

E-mail logs to: spartansprint@yahoo.com

Mail logs to: (none)

Find rules at: <http://arsqrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

QRP Fox Hunt

02:00 - 03:30 UTC 8 February

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 9 February 2017

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: http://www.qrpfoxhunt.org/winter_rules.htm

Phone Fray

02:30 - 03:00 UTC 8 February

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 10 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test: 13:00 - 14:00 UTC and 19:00 - 20:00

UTC 8 February and 03:00 - 04:00 UTC 9 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member:

Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 11 February 2017

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/cwt.html>

NCCC RTTY Sprint

01:45 - 02:15 UTC 10 February

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 12 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rttyns.html>

QRP Fox Hunt

02:00 - 03:30 UTC 10 February

Mode: CW

Bands: 80 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 11 February 2017

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: http://www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint Ladder

02:30 - 03:00 UTC 10 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: Single Op

Max power: 100 watts

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Exchange: Serial no, name and QTH

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 12 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rules.html>

CQ WW RTTY WPX Contest

00:00 UTC 11 February to 23:59 UTC 12 February

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP, low or high - tribander or rookie; Single Op Single Band - QRP, low or high - tribander or rookie; Multi-One - low or high; Multi-Two; Multi-Unlimited

Max operating hours: Single Op: 30 hours, off times of at least 60 minutes; Multi-Op: 48 hours

Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO with same country on 20, 15 and 10 m; 2 points per QSO with same country on 80 and 40 m; 2 points per QSO with different countries on same continent on 20, 15 and 10 m; 4 points per QSO with different countries on same continent on 80 and 40 m; 3 points per QSO with different continent on 20, 15 and 10 m; 6 points per QSO with different continent on 80 and 40 m

Multipliers: Each prefix once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 17 February 2017

E-mail logs to: rtty@cqwpx.com

Upload log at: <http://www.cqwpx.com/logcheck/>

Mail logs to: CQ WPX RTTY Contest, PO Box 1877, Los Gatos, CA 95031-1877, USA

Find rules at: <http://www.cqwpxrtty.com/rules.htm>

SARL Field Day Contest

10:00 UTC 11 February to 10:00 UTC 12 February

Mode: CW, SSB, Digital

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single-Op Field - QRP or high; Multi-Op Field - QRP or high; Ultra Light Portable; General

Max power: QRP: 5 watts; non-QRP: >5 watts

Exchange: Number of transmitters, category (see rules) and province or "DX"

Work stations: Once per band per mode

QSO Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 19 February 2017

E-mail logs to: zs4bfm@mweb.co.za

Mail logs to: SARL Field Day Contest, PO Box 12104, Brandhof, 9324, South Africa

Find rules at: <http://www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=20161222085537waqSliCvbT.PDF>

Asia-Pacific Spring CW Sprint

11:00 - 13:00 UTC 11 February

Mode: CW

Bands: 40, 20 m

Classes: Single Op Single Radio

Max power: Asia Pacific: 150 watts; Non-Asia Pacific: maximum legal

Exchange: RST and serial no

Work stations: Once per band

QSO Points: Asia-Pacific: 1 point per QSO; Non-Asia-Pacific: 1 point per QSO with an Asia-Pacific station

Multipliers: Each prefix once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 18 February 2017

E-mail logs to: apsprint@jsfc.org

Mail logs to: (none)

Find rules at: <http://jsfc.org/apsprint/aprule.txt>

SKCC Weekend Sprintathon

12:00 UTC 11 February to 24:00 UTC 12 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max operating hours: 24

Exchange: RST, state, province or country, name and SKCC no or "NONE"

Work stations: Once per band

QSO Points: 1 point per QSO; Bonus Points: (see rules)

Multipliers: Each state, province or country once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 19 February 2017

Post log summary at: http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php

Mail logs to: (none)

Find rules at: http://www.skccgroup.com/operating_activities/weekend_sprintathon/

KCJ Topband Contest

12:00 UTC 11 February to 12:00 UTC 12 February

Mode: CW

Bands: 160 m Only

Classes: Single Op; Multi-Op

Exchange: JA: RST and Prefecture/District Code; non-JA: RST and Continent Code (AF, AS, EU, NA, OC, SA)

QSO Points: JA: 1 point per QSO with JA station; JA: 5 points per QSO with non-JA station; Non-JA: 1 point per QSO with JA station

Multipliers: Each JA prefecture/district; JA: each continent

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 March 2017

E-mail logs to: 2017toptest@kcj-cw.com

Mail logs to: T. Mori JI1XSE, Saida 556-36, Tamamura machi, Sawa gun, Gunma 370-1131, Japan

Find rules at: http://www.kcj-cw.com/contest/17_topptest_rules_e.pdf

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Dutch PACC Contest

12:00 UTC 11 February to 12:00 UTC 12 February

Mode: CW, SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: SOAB - CW, SSB or mixed - low or high; SOAB Mixed QRP; Multi-One Mixed - PA only; Multi-Two Mixed - PA only; Multi-Unlimited Mixed; Single Op Single Band CW; Single Op Single Band SSB; SWL

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: PA: RS(T) and province non-PA: RS(T) and serial no

Work stations: Once per band per mode

QSO Points: 1 point per QSO with a PA station

Multipliers: PA provinces once per band per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 March 2017

E-mail logs to: pacc@dutchpacc.com

Upload log at: <http://server4.veronict.nl:81/WebEditor/app>

Mail logs to: PACC Contest Manager, c/o VERON Central Bureau, PO Box 1166, 6801 BD Arnhem, The Netherlands

Find rules at: <http://pacc.veron.nl/>

OMISS QSO Party

15:00 UTC 11 February to 15:00 UTC 12 February

Mode: SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op

Exchange: RS, state, province or DX and OMISS no if a member

Work stations: Once per band

QSO Points: 2 points per QSO with OMISS member; 1 point per QSO with non-member; Bonus: add 500 points to score if mobile for entire contest

Multipliers: Each US state once; Each VE province once; 1 DX country once

Power: <5 W = x 3, 100 W = x 2, >100 W = x 1

Score Calculation: Total score = (total QSO points x total mults x power mult) and bonus points

Submit logs by: 1 March 2017

E-mail logs to: (none)

Upload log at: <http://www.omiss.net/Facelift/qsoElectronic.php>

Mail logs to: OMISS QSO Party, John Dean, K0JDD, 4118 Woodlane Drive, Woodbury, MN 55129, USA

Find rules at: <http://www.omiss.net/Facelift/qsoParty.php>

FISTS Winter Unlimited Sprint

17:00 - 21:00 UTC 11 February

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: QRP; QRO; Club

Max power: QRO: 100 watts; QRP: 5 watts

Exchange: FISTS: RST, state, province or country, first name and FISTS no; non-FISTS: RST, state, province or country, first name and power

Work stations: Once per band

QSO Points: 5 points per QSO with FIST member; FIST members: 2 points per QSO with non-FIST member

Multipliers: Each US state and VE province once; Each DXCC country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 March 2017

E-mail logs to: n2ed@fistsna.org

Mail logs to: (none)

Find rules at: <http://fistsna.org/operating.html#sprints>

AWA Amplitude Modulation QSO Party

23:00 UTC 11 February to 23:00 UTC 12 February

Mode: AM

Bands: 160, 80, 40, 20 m

Classes: (none)

Exchange: Name and state, province or country

Work stations: Once per band

QSO Points: Power>100 W: 1 point per QSO; Power<=100 W: 2 points per QSO; 5 points per QSO on 20 m; 10 points for first QSO with W2AN or W1HRX

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 1 March 2017

E-mail logs to: AB2RA@HTVA.NET

Mail logs to: AB2RA Janis Carson, 61 Rothermich Rd., Ithaca, NY 14850-9323, USA

Find rules at: <http://www.antiquewireless.org/awa-amplitude-modulation-qso-party.html>

Balkan HF Contest

12:00 - 18:00 UTC 12 February

Mode: CW, SSB

Bands: 80, 40 m

Classes: Category A; Category B

Max power: Cat A: 1 000 W input; Cat B: 10 W input

Exchange: RS(T) and QSO no

Work stations: Once per band

QSO Points: 1 point per QSO with category A; 2 points per QSO with category B

Multipliers: Each Balkan prefix once per band

Score Calculation: Total score = (total 80 m QSO points x total 80 m mults) and (total 40 m QSO points x total 40 m mults)

Submit logs by: 19 February 2017

E-mail logs to: panayotdanev@yahoo.com

Mail logs to: (none)

Find rules at: http://arabih.ba/index.php?option=com_content&view=article&id=528:balkan-hf-contest-2017&catid=30&Itemid=466

CQC Winter QSO Party

01:00 - 02:59 UTC 13 February

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO; Bonus: 5 points per QSO with W0CQC or N0CQC

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 15 March 2017

E-mail logs to: vkumagai@q.com

Mail logs to: (none)

Find rules at: <http://www.coloradoqrclub.org/contests/winter.htm>

ARRL School Club Roundup

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13:00 UTC 13 February to 23:59 UTC, Feb 17

Mode: CW, Phone, RTTY/Digital

Bands: All, except 60, 30, 17, 12 m

Classes: Single Op (I); Club/Multi-Op (C); School Club/Group (S)

Max operating hours: 24 hours total; 6 hours out of any 24-hour period with off times of at least 30 minutes

Exchange: RS(T), Class (I, C or S) and state, province or country

Work stations: Once per mode

QSO Points: 1 point per phone QSO; 2 points per CW/RTTY/digital QSO

Multipliers: States and VE provinces and DXCC countries and (2 x class C QSOs) and (5 x class S QSOs)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 4 March 2017

Post log summary at: <http://www.b4h.net/arrlscr/>

Mail logs to: School Club Roundup, c/o LIMARC, PO Box 392, Levittown, NY 11756, USA

Find rules at: <http://www.arrl.org/school-club-roundup>

Next Week's Contests

PODXS 070 Club Valentine Sprint, 00:00 - 23:59 UTC 14 February

QRP Fox Hunt, 02:00 - 03:30 UTC 15 February

Phone Fray, 02:30 - 03:00 UTC 15 February

CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 15 February and 03:00 - 04:00 UTC 16 February

AGCW Semi-Automatic Key Evening, 19:00 - 20:30 UTC 15 February

RSGB 80 m Club Championship, Data, 20:00 - 21:30 UTC 15 February

NCCC RTTY Sprint, 01:45 - 02:15 UTC 17 February

QRP Fox Hunt, 02:00 - 03:30 UTC 17 February

NCCC Sprint Ladder, 02:30 - 03:00 UTC 17 February

ARRL International DX Contest, CW, 00:00 UTC 18 February to



24:00 UTC 19 February

Novice Rig Roundup, 00:00 UTC 18 February to 24:00 UTC, Feb 26

SARL Youth Day Sprint, 08:00 - 10:00 UTC 18 February

Russian PSK WW Contest, 12:00 UTC 18 February to 11:59 UTC 19 February

Feld Hell Sprint, 19:00 - 20:59 UTC 18 February

Run for the Bacon QRP Contest, 02:00 - 04:00 UTC 20 February



HF Happenings

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter